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Applicants : Yasuaki YUDA et al.

Group Art Unit: 2821

Serial No. : 09/846,390

Examiner: None Assigned

Filed : May 2, 2001

For : DIRECTION OF ARRIVAL ESTIMATOR AND DIRECTION OF  
ARRIVAL ESTIMATION METHOD

#4/K  
L. McLaughlin  
6-14-02

### PRELIMINARY AMENDMENT

Assistant Commissioner of Patents  
Washington, D.C. 20231

Sir:

Prior to an examination of the above-identified patent application, the Examiner is respectfully requested to amend the specification, as follows:

#### IN THE CLAIMS

Please amend claims 1-9 as follows. A marked up copy is attached to the end of this paper:

1. (Clean Copy) A direction of arrival estimator comprising:

an array antenna made up of a plurality of antenna elements that receives a signal  
from a communication terminal apparatus;

A,  
Cont.